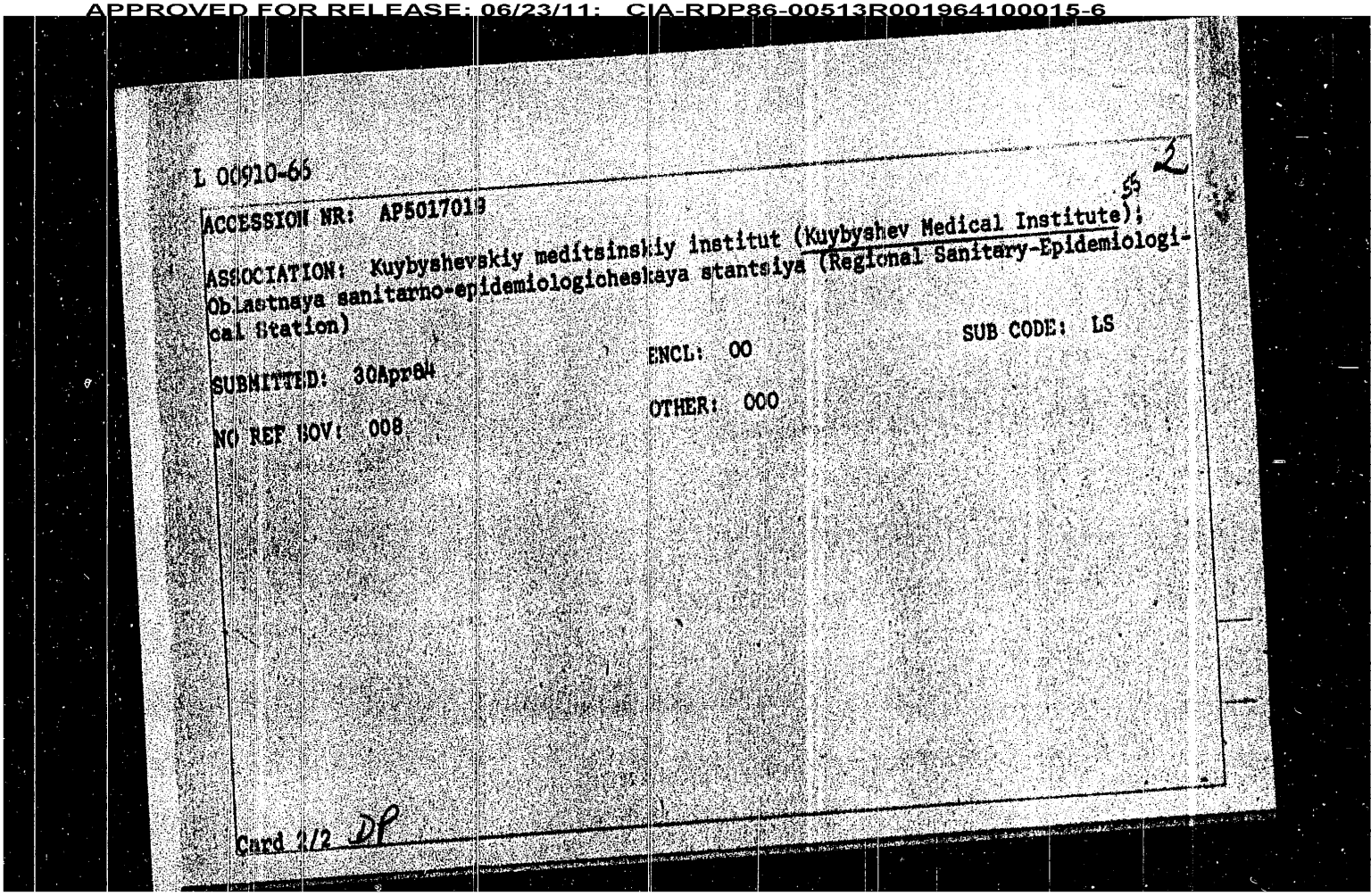
APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6



L 00910-66

ACCESSION NR: AP5017019

ASSOCIATION: Kuybyshevskiy meditsinskiy institut (Kuybyshev Medical Institute); Oblastnaya sanitarno-epidemiologicheskaya stantsiya (Regional Sanitary-Epidemiological Station)

SUBMITTED: 30Apr64 ENCL: 00 SUB CODE: LS

NO REF SOV: 008 OTHER: 000

Card 2/2 DP

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L 09910-66 EWT(1)/EWA(j)/EWA(b)-2 JK

ACCESSION NR: AP5017019 UR/0016/65/000/007/0086/0089
616.986.7-036.22 (471.43)

AUTHOR: Roshchupkin, V. I.; Poberezkin, M. N.; Zaytseva, A. A.

TITLE: Leptospirosos caused by *L. canicola* in a Kuybyshev Oblast city

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 7, 1965, 86-89

TOPIC TAGS: leptospirosis, epidemiology

ABSTRACT: A disease of obscure etiology appeared in July 1963 which was confined to the residents of certain streets in a Kuybyshev Oblast city (unidentified). The disease symptoms resembled those of leptospirosis - acute onset, temperature elevated to 38-40° C with intermittent fever lasting 6-9 days, severe headache, and muscular pain. The course of the disease was generally mild, with no complications or fatalities. The causative agent, *L. canicola*, was transmitted through water. House-to-house inspection revealed that many of the persons with the disease owned dogs. Laboratory tests showed that some of these dogs were infected with leptospiras. Besides direct contact with the animals, a broken water pump contaminated by the urine of these animals was found to be another source of the infection.

Card 1/2

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ROSHCHUPKIN, W.I.; POBEREZKIN, M.N.; ZAYTSEVA, A.A.

Leptospira infections of the canicola type in one of the cities of Kuybyshev Province. Zhur. mikrobiol., epid. i immun. 42 no.7: 86-89 Jl '65. (MIRA 18:11)

1. Kuybyshevskiy meditsinskiy institut i Oblastnaya sanitarno-epidemiologicheskaya stantsiya.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEVA, A.A.

Focal aspects of Botkin's diseases; author's abstract. Zhur. mikrobiol.epid. i immun. 30 no.5:132-133 My '59.
(MIRA 12:9)

1. Iz sanitarno-epidemiologicheskoy stantsii Sovetskogo rayona Kuybysheva i iz kafedry infektsionnykh bolezney s epidemiologiyey
(HEPATITIS, INFECTIOUS, epidemiology,
in Russia, focal aspects (Rus))

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 72729

chestnut and light-chestnut soils into the plowed layer of Central Kazakhstan has a positive value and does not lead to a decrease of the grain harvest. The work was carried out at the Karaganda Agricultural Experimental Station in 1954. -- F. N. Sofiyeva

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

USSR / Soil Science. Cultivation. Improvement. Erosion. J-4

Abs Jour : Ref Zhur - Biologiya, No 16, 1958, No. 72729

Author : Zaytseva, A. A.
Inst : Karaganda Agricultural Exporimental Station
Title : Method of Cultivation of Virgin and Waste Lands Under First Crop

Orig Pub : Agrobiologiya, 1957, No 2, 14-24

Abstract : The most expedient method of cultivation of virgin, waste lands and soil after perennial grasses is plowing with a plowpoint with good sealing of the turf. Deep plowing without a blade grader and disking with the remainder of the unsealed turf leads to incomplete sealing of the seeds and heavy cutting up of winter wheat sowings. It is necessary to plow virgin, waste lands and soil after perennial grasses at a depth of not less than 20-22 cm (better at 25-27 cm). Drawing the illuvial horizon of

Card 1/2

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ZAYTSEVA, Aleksandra Alekseyevna; DOLINSKIY, M.M., redaktor; GURNVICH, M.M., tekhnicheskiy redaktor

[Spring wheat in extremely arid regions] Iarovaia pshenitsa v ostrozasushlivykh raionakh. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1957. 134 p. (MLRA 10:10)
(Kazakhstan--Wheat)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

Zaytseva, A.

USSR / Cultivated Plants. General Problems L-1

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22648

Author : Zaytseva, A.

Inst : Not given

Title : Crop Rotation Organization on Newly Adapted Virgin Soils.

Orig Pub : S. kh. Kazakhstana, 1955, No 7, 21-23

Abstract : Based on the experience of individual farms in the Karagandinsk oblast, it is pointed out that heavily argillaceous dark-chestnut structural soils are suitable for planting of grain cultivations for 3 - 4 years, but light-chestnut soils -- for 2 - 3 years. After this, the soils (depending on crop rotation) should be assigned for fallow or for grass sowing.

Card : 1/1

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ZAYTSEVA, A. A.

Peas

Cross-pollination of leguminous plants. Sel. i sem. 19 no. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSYEVA, A. A.

30229

K voprosu o fiziologichyeskoy roli mlyechnoy sistyemy. Trudy in-ta fiziologii rastyeniy im. Timiryazyeva, t. VI, vyp. 2, 1949, s. 125-37. --Bibliogr: 20 nazv.

SO: LETOPIS' NO. 34

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEVA, A. A.

USSR/Agriculture - Wheat, Winter Mar/Apr 49
Crops, Rotation of

"Experimental Planting of Wheat During the Winter Season in Karaganda Oblast," A. A. Zaytseva, Karaganda Agri Experimental Sta, Dolinka, Karaganda Oblast, 8 pp

"Agrobiol" No 2

Describes and tabulates results of experiments carried on since 1932 under rigorous climatic conditions in Karaganda Oblast. Winter wheat planted by "stubble" method is being grown in many kolkhozes and sovkhozes in rotation of crops.

2/50T12

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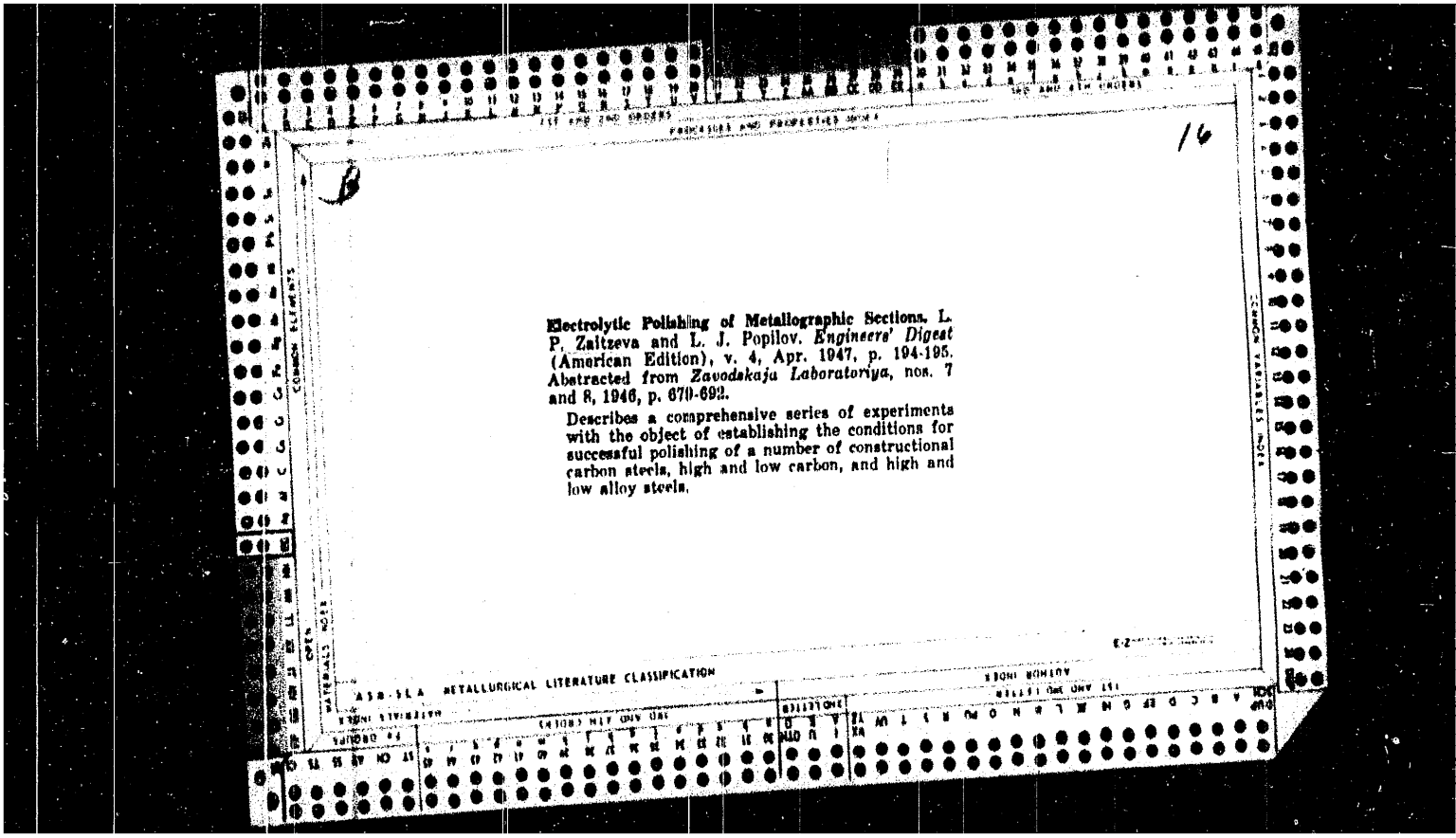

Electrolytic Polishing of Metallographic Sections. L. P. Zaitzeva and L. J. Popilov. *Engineers' Digest* (American Edition), v. 4, Apr. 1947, p. 194-195. Abstracted from *Zavodskaja Laboratoriya*, nos. 7 and 8, 1946, p. 670-692.

Describes a comprehensive series of experiments with the object of establishing the conditions for successful polishing of a number of constructional carbon steels, high and low carbon, and high and low alloy steels.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

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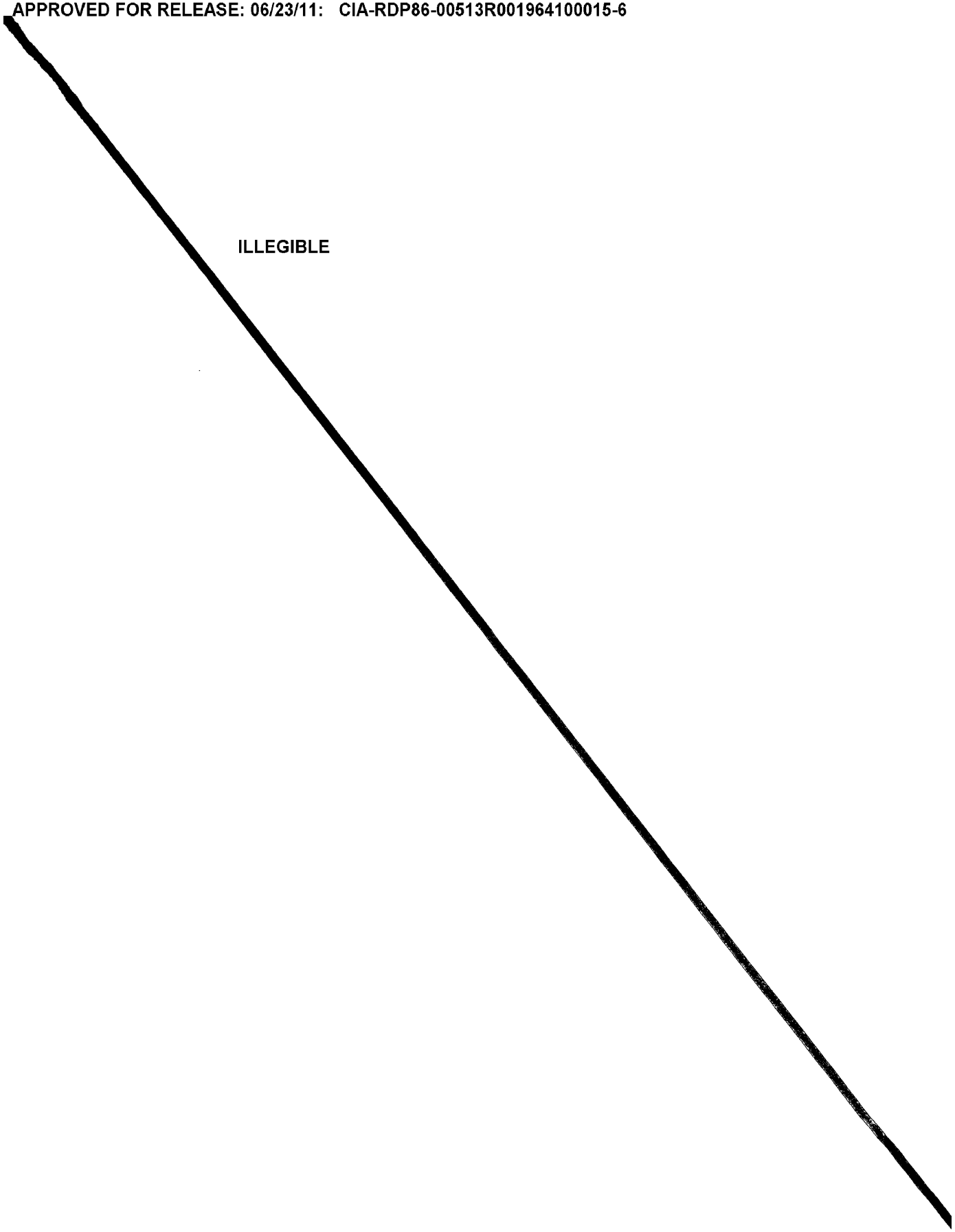

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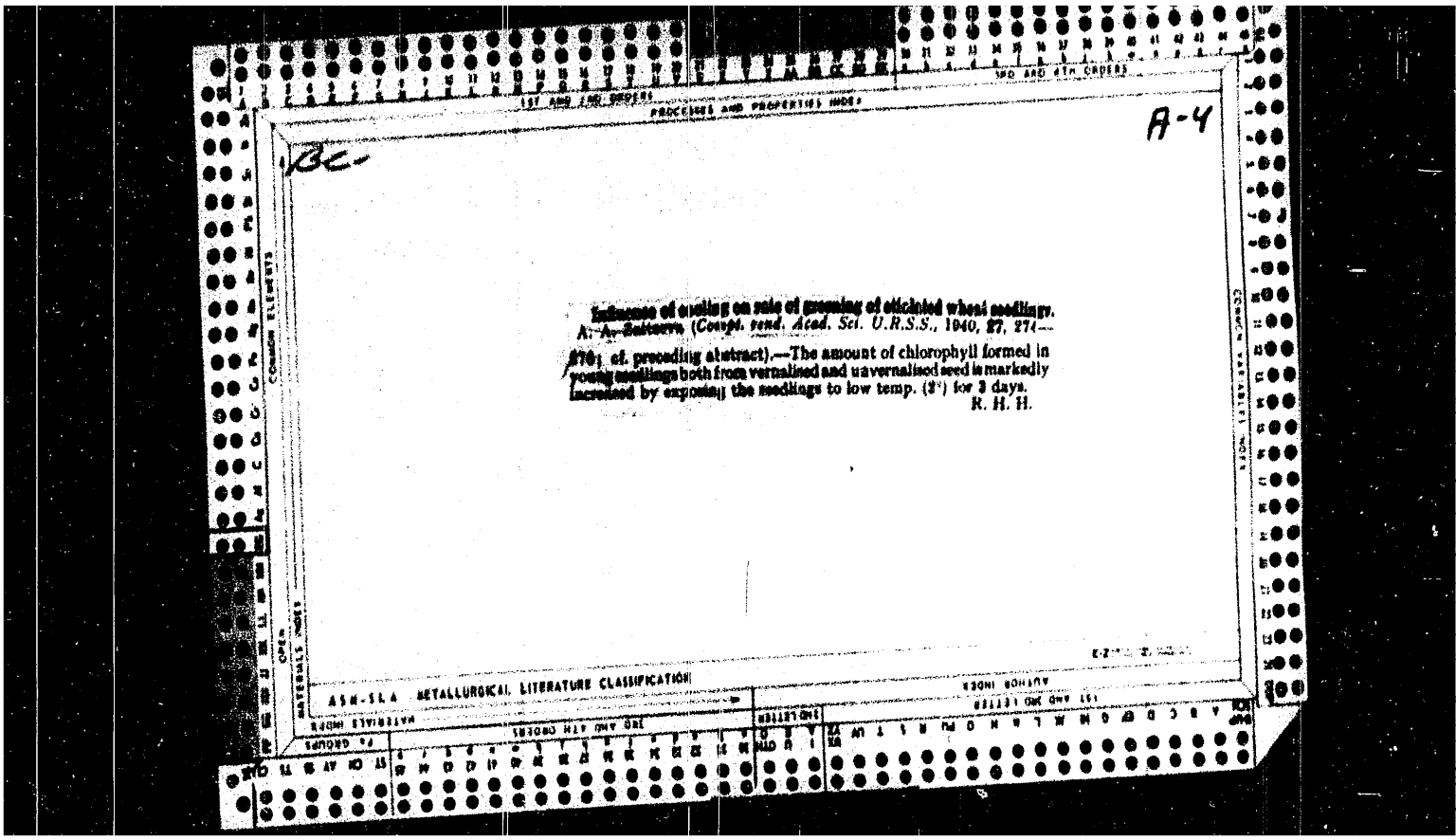

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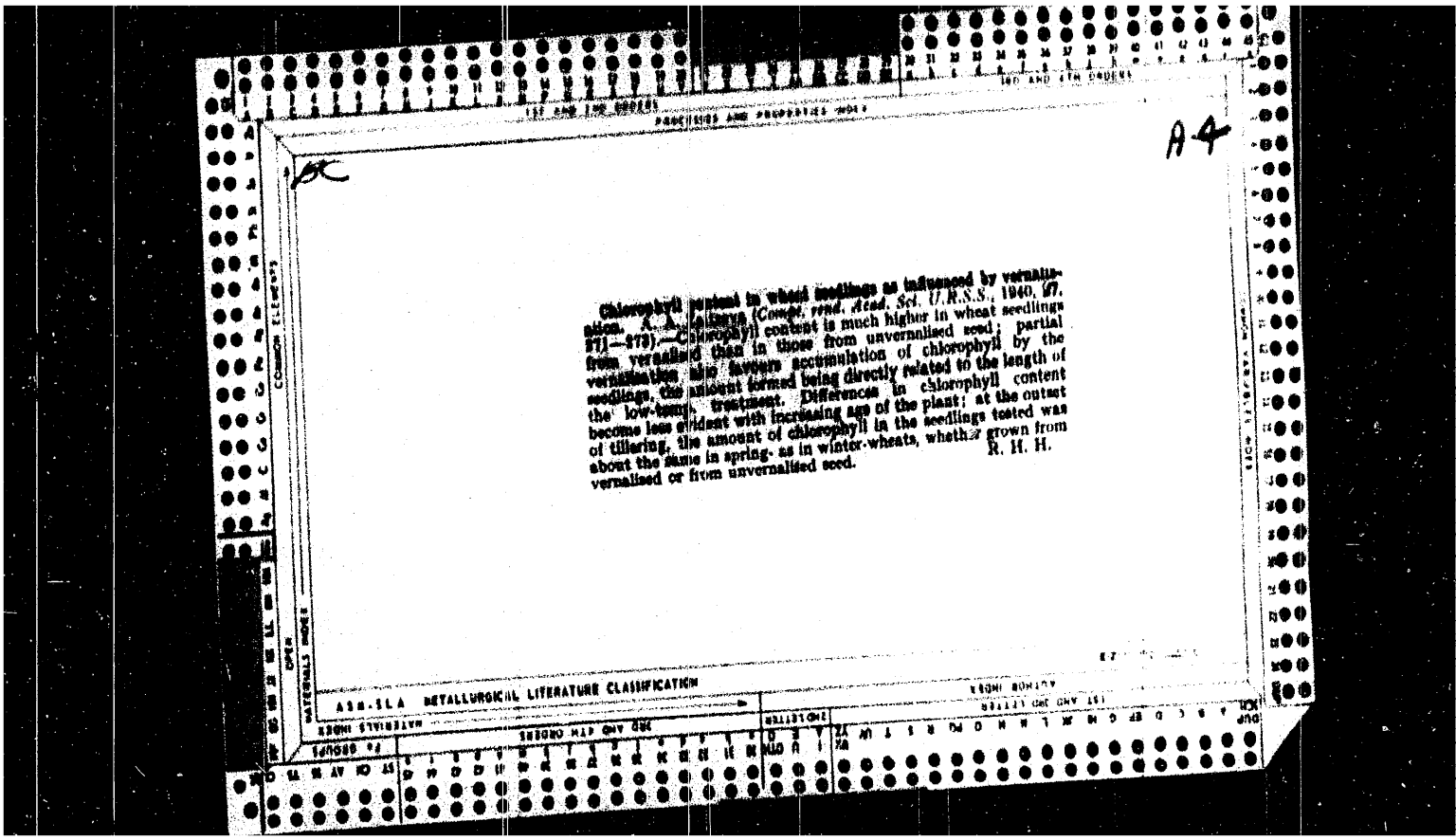

A-4

Chlorophyll content in wheat seedlings as influenced by vernalisation. K. A. Kolesova (*Compt. rend. Acad. Sci. U.R.S.S.*, 1940, **27**, 171—173).—Chlorophyll content is much higher in wheat seedlings from vernalised than in those from unvernalised seed; partial vernalisation also favours accumulation of chlorophyll by the seedlings, the amount formed being directly related to the length of the low-temp. treatment. Differences in chlorophyll content become less evident with increasing age of the plant; at the outset of tillering, the amount of chlorophyll in the seedlings tested was about the same in spring- as in winter-wheats, whether grown from vernalised or from unvernalised seed. R. H. H.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEVA, A. A.

[illegible] br., Inst. Plant Physiology im K.A. Timiryazev, Acad. Biol. Sci., [illegible] -1939-40-.

[illegible] br., Karaganda Agricultural Exptl. Sta., Kolinka, Karaganda Oblast, -cir'49-.

"Content of Chlorophyll in Wheat as Related to Development," Dok. AN, 25, No. 8, 1[illegible];

"Role of Sugar in Greening of Wheat Seedlings," ibid., 27, No. 1, 1[illegible];

"Chlorophyll Content in Wheat Seedlings as Influenced by Vernalization," ibid., No. 3, 1940;

"Influence of Cooling on the Rate of Greening of Etiolated Wheat Seedlings," ibid., No. 5, 1940;

"Rate of Greening in Wheat Seedlings as Influenced by their Endosperm," ibid., No. 8, 1940;

"Relationship between Storage of Chlorophyll by Plants and their Development," ibid., 1940;

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

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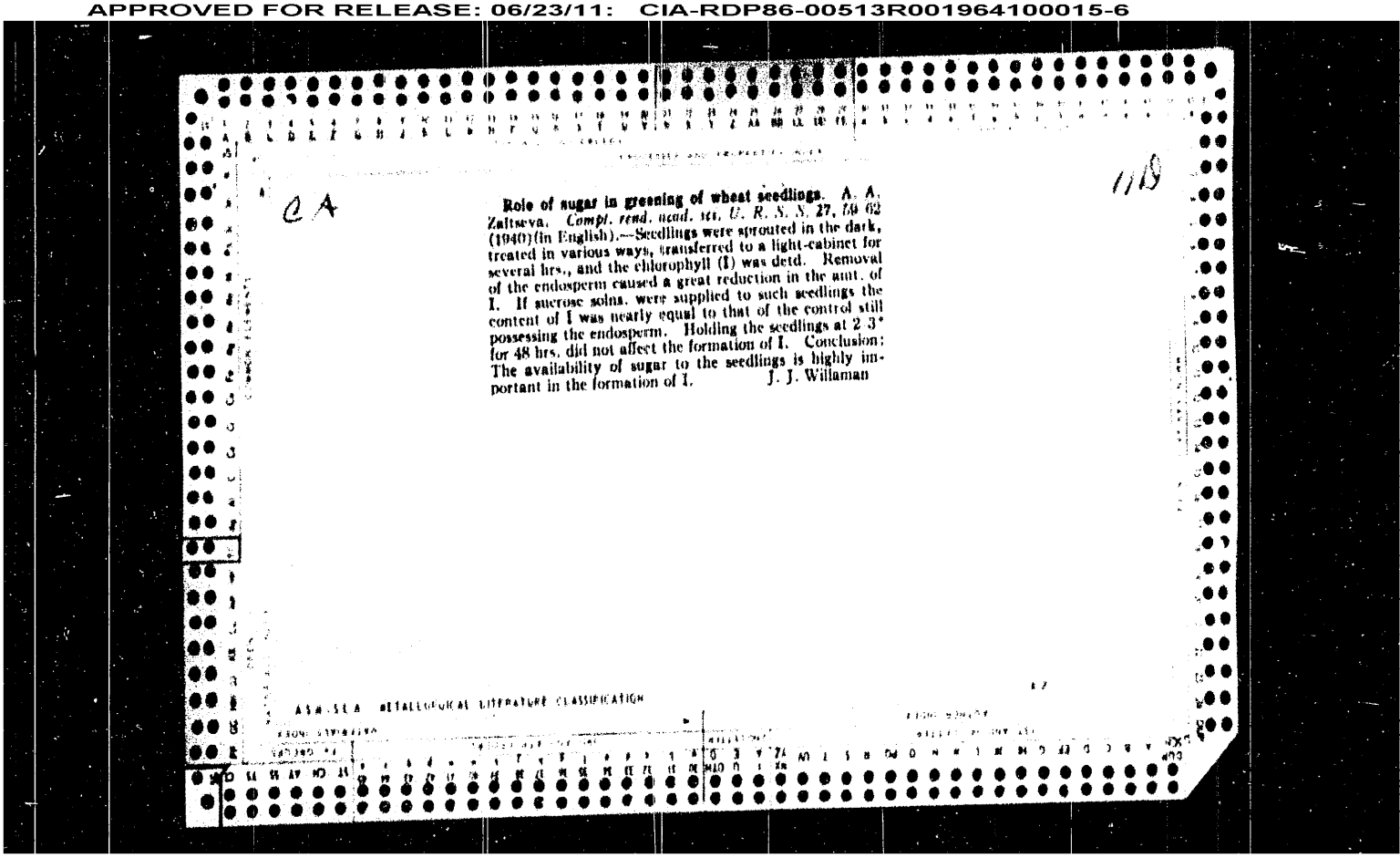

CA

Role of sugar in greening of wheat seedlings. A. A. Zaitseva. *Compt. rend. acad. sci. U. R. S. S.* **27**, 59-62 (1940)(in English).—Seedlings were sprouted in the dark, treated in various ways, transferred to a light-cabinet for several hrs., and the chlorophyll (I) was detd. Removal of the endosperm caused a great reduction in the amt. of I. If sucrose solns. were supplied to such seedlings the content of I was nearly equal to that of the control still possessing the endosperm. Holding the seedlings at 2-3° for 48 hrs. did not affect the formation of I. Conclusion: The availability of sugar to the seedlings is highly important in the formation of I. J. J. Willaman

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ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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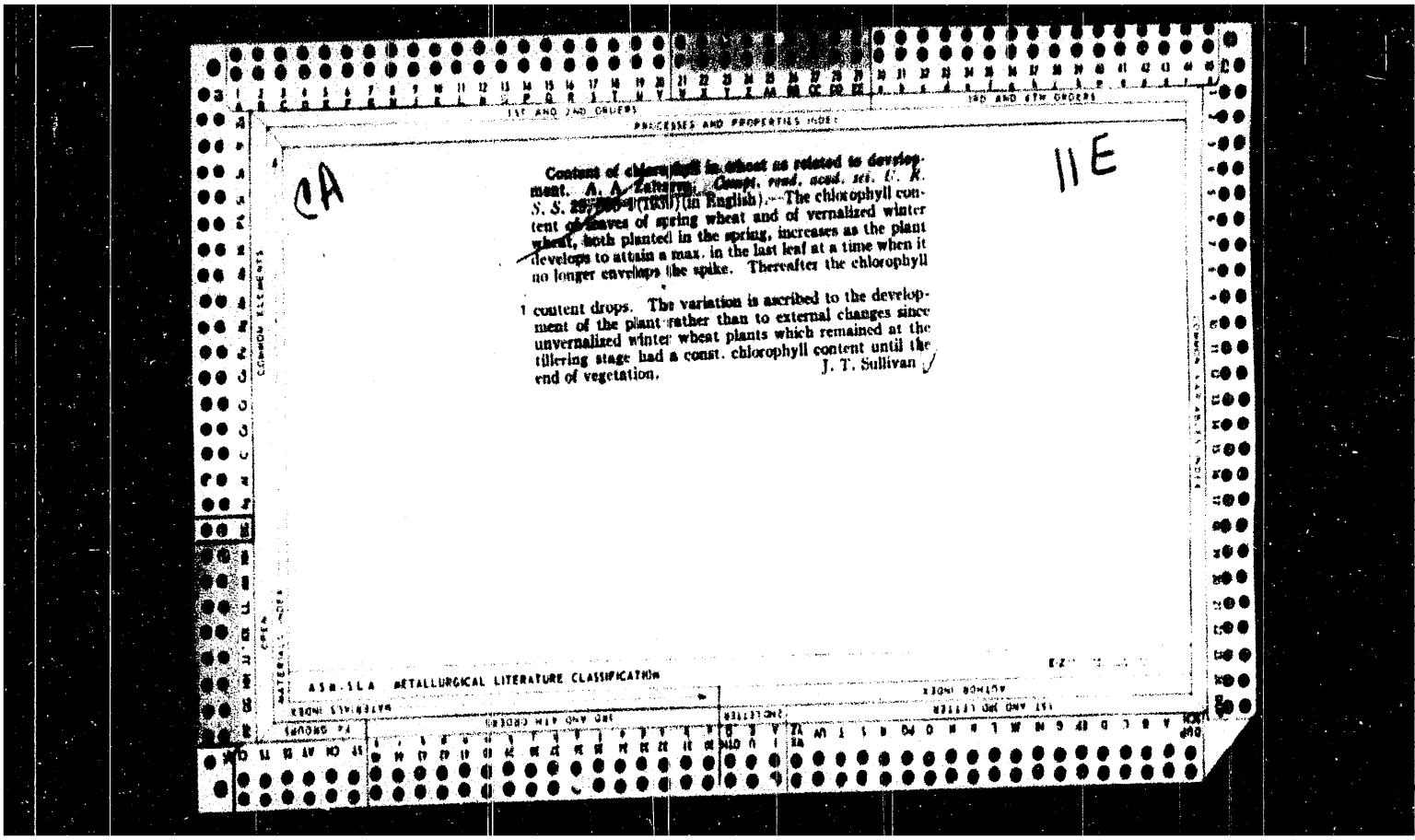

CA

11E

Content of chlorophyll in wheat as related to development. A. A. Zaitsev. *Compt. rend. acad. sci. U. R. S. S.* 29[illegible](1938)(in English).—The chlorophyll content of leaves of spring wheat and of vernalized winter wheat, both planted in the spring, increases as the plant develops to attain a max. in the last leaf at a time when it no longer envelops the spike. Thereafter the chlorophyll content drops. The variation is ascribed to the development of the plant rather than to external changes since unvernalized winter wheat plants which remained at the tillering stage had a const. chlorophyll content until the end of vegetation.

J. T. Sullivan

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

The effect of soil drought on photosynthesis and respiration in plants. A. A. Zaitzeva. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat.* **1935**, 19-30 in English 40).—In 4 out of 5 varieties of wheat plants studied respiration was reduced during withering. The energy of respiration in 4 varieties still remained lower than in the controls 40-48 hrs. after watering. There is no reason to expect large losses in dry wt. through respiration during temporary droughts. All 5 varieties showed an increase in the energy of photosynthesis in 20-40 hrs. after watering. Increases in photosynthesis were observed not only after long and repeated witherings but also after short single witherings. Repeated withering with subsequent watering causes new increases in the assimilation of CO_2. E. D. Walter

A50-5L4 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEVA, A.A.

ZAITSEVA, A. A. (Co-author)

See: POPOVA, E. P.

ZAITSEVA, A. A. "On the Problem of the Effect of Sulfur on the Development of Spores of Brown Rust of Wheat," Zashchita Rastenii, no. 2, 1932, pp. 75-77. 421 D36

So: Sira - Si - 90 - 53, 15 December 1953

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEVA, A.A.

VOROV'YEVA, Ye. I;ZAITSEVA, A. A.

Refractometric spinal fluid examination in mental diseases. Nevropat. psikhiat., Moskva 19 no.5:81-82 Sept-Oct 1950. (CLML 20:1)

1. of the First Leningrad Medical Institute and of the Department of Psychiatry of Vinnitsa Medical Institute.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEVA,A.; AKISHINA,V.

Determination of the sensitivity of Listeria to antibiotics by the method of paper disks. Trudy Tom NIIVS 12:88-90 '60
(MIRA 16:11)

1. Nauchnyy studencheskiy kruzhok pri kafedre mikrobiologii Tomskogo meditsinskogo instituta.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.V.; KRYLOV, S.M. (Moskva)

Investigating the stress distribution in continuous reinforced concrete beams. Stroi. i mekh. i rasch.soor. 1 no.3:24-28 '59. (MIRA 12:8)

(Girders)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

RAMODIN, V.N.; DRUGAL', S.A.; ZAYTSEV, Yu.V., inzh., retsenzent;
PREDE, V.Yu., inzh., red.; DOBROVA, Ye.N., tekhn. red.

[Mechanization of auxiliary operations] Mekhanizatsiia vspomogatel'nykh operatsii. Moskva, "Transport," 1964. 84 p. (MIRA 17:2)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu. V.

ALI-ZADE, U.D.; ZAYTSEV, Yu.V.

Hydarulic fracturing of oil sands in the Azervaijan oil fields.
Azerb.neft.khoz.35 no.12:20-23 D '56. (MLRA10:3)
(Azerbaijan--Oil wells)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

KRYLOV, S.M., kand.tekhn.nauk; ZAYTSEV, Yu.V.

Study of stress distribution in continuous reinforced concrete beams. Trudy NIIZHB no.23:272-310 '61. (MIRA 14:12)
(Beams and girders, Continuous)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

S/149/62/000/006/008/008
A006/A101

AUTHORS: Zaytsev, Yu. V., Titov, P. S.

TITLE: Investigating the process of indium-lead alloy deposition from tartrate electrolyte

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya, no. 6, 1962, 136 - 139

TEXT: To improve methods of the electrolytical production of high-quality In-Pb coatings, the authors used a tartrate electrolyte containing 2.16 - 3.1 n or 250 - 300 g/l $Na_2C_4H_4O_6 \cdot 2H_2O$; 1.37 - 1.71 n. or 80 - 100 g/l NaCl; 0.18 n. or 13.5 g/l $InCl_3$; 7 - 10 g/l peptone; 2 - 3 g/l gelatin. The operational temperature was $70 \pm 2^{\circ}C$; cathodic current density was 1 amp/dm^2, and the hydrogen pH indicator of the solution 10.1 - 10.3. It was found that the Pb and In concentration in the electrolyte affected considerably the composition of the deposited alloy. By varying the relative In and Pb concentration, alloys with a wide range of component contents can be obtained from the tartrate electrolyte.

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.V.; TITOV, P.S.

Investigating the precipitation process of indium-lead alloys from tartrate electrolytes. Izv. vys. ucheb. zav.; tsvet. met. 5 no.6:136-139 '62. (MIRA 16:6)

1. Moskovskiy institut stali i splavov, kafedra korrozii i zashchity metallov.
(Electroforming)
(Indium-lead alloys—Electrometallurgy)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu. V.; TITOV, P. S.

Tartrate electrolytes for obtaining lead and indium platings. Izv. vys. ucheb. zav.; khim. i khim. tekh. 5 no.5:852-853 '62. (MIRA 16:1)

1. Moskovskiy institut stali i splavov, kafedra korrozii i zashchity metallov.

(Lead plating) (Indium plating)
(Tartrates)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

Tartarate electrolytes for the ... S/153/62/005/005/011/011
E071/E133

electrolyte for a lead-indium alloy, the authors tried a tartarate electrolyte for indium. It was found that good quality indium coatings can be obtained using an electrolyte of the following composition: metallic indium in the form of $InCl_3$ - 20-25 g/litre; acid sodium tartarate - 300-350 g/litre; sodium chloride - 80-100 g/litre; pH 10-10.5. Electrolysis was carried out under the following conditions: temperature 60-70 °C; cathode current density without stirring 1-8 A/dm^2; anode current density 2-30 A/dm^2; cathode current yield 87-98%.

ASSOCIATION: Moskovskiy institut stali i splavov, Kafedra korrozii i zashchity metallov
(Moscow Institute of Steels and Alloys, Department of Corrosion and Protection of Metals)

SUBMITTED: June 4, 1962

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

S/153/62/005/005/011/011
E071/E133

AUTHORS: Zaytsev, Yu.V., and Titov, P.S.

TITLE: Tartarate electrolytes for the production of lead and indium coatings

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Khimiya i khimicheskaya tekhnologiya, v.5, no.5, 1962, 852-853

TEXT: The object of the work was to develop a tartarate electrolyte for lead plating which would produce a good quality coating at a high current density. Assuming that the formation of lead tartarate complex ion takes place according to the equation

$$PbCl_2 + NaK[C_4H_4O_6] + 2NaOH \rightarrow KNa[Pb(C_4H_2O_6)] + 2NaCl + 2H_2O$$

the authors proposed an electrolyte of the composition: metallic Pb (in chloride or acetate form) 97 g/litre; Seignette salt 200 g/litre; NaOH 120 g/litre; colophony 6 g/litre; operating at 60-70 °C; cathode current density less than 4 A/dm^2; cathode current yield 90-95%; dispersing ability (Fink's method) 70-75%. The electrolyte tested under laboratory conditions gave satisfactory results. Since it is intended to develop an

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

[illegible], Fedor Ivanovich; [illegible]YTSEV, Yu.V., red.

[Factors determining the efficiency of hydraulic fracturing] Faktory, opredeliaiushchie effektivnost' gidrorazryva plastov. Ufa, Azerneftr, 1964. 93 p. (MIRA 17:8)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.V.; PLYUSHCH, A.M.

Stress relief in hydraulic fracturing. Neftepromys. delo no.7: 23-26 '64. (MIRA 17:8)

1. Gosudarstvennoye ob"yedineniye Azerbaydzhanskoy neftyanoy promyshlennosti i Institut razrabotki nefti AN AzerSSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu. V., Cand Tech Sci -- (diss) "Investigation of the pre-distribution of forces in solid reinforced concrete beams." Moscow, 1960. 11 pp; (Academy of Construction and Architecture USSR, Central Scientific Research Inst of Building Structures, "TsNIISK"); 160 copies; price not given; (KL, 52-60, 120)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

MELIKBEKOV, A.S.; BILANDARLI, A.A.; ZAYTSEV, Yu.V.

Exploitation of injection wells in the Kyurovdag field. Azerb. neft. khoz. 38 no.8:26-29 Ag '59. (MIRA 13:2)
(Kyurovdag region (Azerbaijan)--Oil field flooding)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.V.

Comparative efficiency of hydraulic fracturing and well acidization in the fields of Azerbaijan. Neft. khoz. 43 no.2:66-70 F '65. (MIRA 18:4)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

DOBROKHOTOV, M.N.; POLISHCHUK, V.D.; ZAYTSEV, Yu.S.

Stratigraphy of the Kursk metamorphic series. Mat. po geol. i pol. iskop. tsentr. raion. evrop. chasti SSSR no.2:17-27 '59.
(MIRA 13:9)

1. Belgorodskaya zhelezorudnaya ekspeditsiya.
(Kursk Magnetic Anomaly--Geology, Stratigraphy)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

BABAYAN, K.Ye.; ZAYTSEV, Yu.P.

New data on the biology of gray mullets and prospects for the development of gray mullet fisheries in the U.S.S.R. Zool. zhur. 43 no.9:1342-1354 '64. (MIRA 17:11)

1. Gosudarstvennyy komitet po rybnomu khozyaystvu, Moskva.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.; POLIKARPOV, G.G.

Problems in the radioecology of hydrobionts. Gidrobiologiia 1 no.3:
423-430 '64 (MIRA 18:1)

1. Institut biologii yuzhnykh morey imeni A.O. Kovalevskogo
AN UkrSSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Biology of the spawning of the bluefish (Pomatomus saltatrix L.) in the Black Sea. Nauk.zap.Od.biol.sta. no.5:200-201 '62.
(MIRA 18:2)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Where two oceans meet. Priroda 52 no.11:27-31 '63.
(MIRA 17:1)

1. Odesskaya biologicheskaya stantsiya Instituta gidrobiologii AN Ukrainskoy SSR.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Equipment and methods for studying hyponesuton. Vop. ekol. 4: 107-109 '62. (MIRA 15:11)

1. Biologicheskaya stantsiya Instituta gidrobiologii AN USSR, Odessa.

(Plankton research)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P., kand.biol.nauk

Mollusk which hampers the fishing industry. Priroda 50
no. 2:108-110 F '61. (MIRA 14:2)

1. Odesskiy gosudarstvennyy universitet im. I.I. Mechnikova.
(Black Sea—Gastropoda)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu. P.

Pelagic biocoenosis of the uppermost layer of water in the Black Sea. Zool. zhur. 40 no.6:818-825 Je '61. (MIRA 14:6)

1. Odessa Biological Station, Institute of Hydrobiology, Academy of Sciences of the Ukrainian SSR.
(Black Sea--Plankton)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P. [Zaitsev, IU.P.]

Studying the sardine Sardina pilchardus sardina (Risso) of the Black Sea. Nauk. zap. Od.biol. sta. no.3:125-127 '61.
(MIRA 16:6)

(BLACK SEA--SARDINES)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Spawning indices of anchovy and saurel in the northwestern part of the Black Sea determined by new methods. Nauk.zap. Od. biol. sta. no.3:45-59'61. (MIRA 16:6)
(BLACK SEA—SAUREL) (BLACK SEA—ANCHOVIES)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Characteristics of the reproduction of gray mullets (Mugilidae) in the Black Sea. Zool. zhur. 39 no. 10:1538-1544 O '60.
(MIRA 13:11)

1. Odessa Biological Station, Institute of Hydrobiology, Academy of Sciences of the Ukrainian S.S.R.
(Black Sea--Gray mullets)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAITSEV, Yu.P. [Zaitsev, IU.P.]

Spawning of the bluefish (Pomatomus saltatrix L.) in the northwestern part of the Black Sea. Nauk.zap.Od.biol.sta. no.2:109-110 '60. (MIRA 14:11)

(BLACK SEA--BLUEFISH)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Existence of neuston biocoenoses in the pelagic zone of the sea.
Nauk.zap.Od.biol.sta. no.2:37-42 '60. (MIRA 14:11)
(BLACK SEA--PLANKTON)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Method for the collection of pelagic fish eggs and larvae in regions of the sea not subjected to considerable freshening. Zool.zhur. 38 no.9:1426-1428 S '59. (MIRA 13:1)

1. Odesskaya biologicheskaya stantsiya Instituta gidrobiologii Akademii nauk USSR.
(Black Sea--Ichthyological research)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Mechanical strength of anchovy eggs and reproduction characteristics related to it. Vop.ikht. no.12:89-91 '59.
(MIRA 13:4)

1. Odesskaya stantsiya Instituta gidrobiologii AN USSR.
(Anchovies) (Ovum)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

development or cause its death. The same can be said in respect to the development in semi-dark conditions. Consequently, it has been stated that pelagical roe of various species of Black Sea fishes are indifferent to fluctuations in the sunlight intensity. This property is essential to roe which develops in the upper sunlit layers of water being completely deprived of vertical migration. No correction of the degree of cloudiness need be introduced when estimating the reproduction effectiveness of edible fish.
There is 1 table, 1 figure and 9 Soviet references.

ASSOCIATION: Odesskaya biologicheskaya stantsiya Instituta gidrobiologii AN USSR (Odessa Biological Station of the Institute of Hydrobiology of the AS UkrSSR)

PRESENTED: By O. P. Markevych (A. P. Markevich) Member of the AS of UkrSSR

SUBMITTED: February 16, 1959

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

30 (1)

SOV/21-59-8-24/26

AUTHOR: Zaytsev, Yu. P.

TITLE: On the Effect of Sunlight on the Pelagical Roe of Fish

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 8, pp 917 - 920 (USSR)

ABSTRACT: This article deals with the effect of sunlight on the pelagical roe of fish, a problem which was already investigated by several scientists [Ref. 1, 2, 3, 4, 5]. Their statements, however, are contradictory. A part of them state that darkening induces retarded development, the others maintain that sunlight is a harmful factor. In order to bring some light into this problem, the author conducted a series of experiments in this respect. The equipment used for this excluded the possibility of overheating of the water, a change in the conditions of the gas and pH in the vessels containing roe, subjected to a direct lighting by the sun. As shown by the table, direct sunlight does not cause notable changes of the roe under development. Thus sunlight, directly effecting pelagical roe is not a negative factor which can stop its

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Recent data on pelagic fish eggs in the northwestern part of the Black Sea. Nauk.zap.Od.biol.sta. no.1:77-90 '59. (MIRA 14:7)
(Black Sea—Fishes—Eggs)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yevgeniy Petrovich [Zaitsev, IU.P.]; VINOGRADOV, K.O. [Vynohradov, K.O.], doktor biolog.nauk, otv.red.; BRAGINSKIY, L.P. [Brahins'kyi, L.P.], red.izd-va; MATVIYCHUK, O.O., tekhn.red.

[Plankton eggs of fishes in the Odessa Gulf and contiguous regions of the Black Sea] Ikhtioplankton Odes'koi zatoky i sumizhnykh dilianok Chornoho moria. Kyiv, Vyd-vo Akad.nauk URSR, 1959. 94 p. (MIRA 12:9)
(Odessa Gulf--Fishes) (Zooplankton)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Intraspecific morphological variation of pelagic eggs and larvae in some fishes of the Black Sea. Vop. ikht. no.11:82-85 '58.
(MIRA 12:1)

1.Odesskaya biologicheskaya stantsiya Instituta gidrobiologii AN USSR.
(Black Sea--Embryology--Fishes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

SOV-21-58-4-26/29

On the Effect of Sea Swell on the Development of the Roe of Black Sea Anchovy, Engraulis Encrasicholus Ponticus Alex

fishery forecasts.
There is 1 Soviet reference.

ASSOCIATION: Odesskaya biologicheskaya stantsiya instituta gidrobiologii AN UkrSSR (Odessa Biological Station on the Institute of Hydrobiology, AS UkrSSR)

PRESENTED: By Member of the AS UkrSSR, A. P. Markevich

SUBMITTED: July 2, 1957

NOTE: Russian title and Russian names of individuals and institutions appearing in this article have been used in the transliteration.

1. Eggs--Vulnerability 2. Anchovies--Development

Card 2/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

SOV-21-58-4-26/29

AUTHOR: Zaytsev, Yu.P.

TITLE: On the Effect of Sea Swell on the Development of the Roe of Black Sea Anchovy (K voprosu o vliyanii volneniya vody na razvitiye ikry chernomorskoy khamsy Engraulis encrasicholus ponticus Alex)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 4, pp 459-460 (USSR)

ABSTRACT: While studying the endurance of the roe of various Black Sea fish, the author noticed an extreme delicacy of the pelagic roe. Anchovy roe is so delicate at the early stages of development that it splits and perishes on falling into water from a height of 50 cm. Under natural conditions, anchovy roe, because of its great buoyancy, floats in masses (especially at the early stages of development) on the very surface of the water. During a moderate swell, when the crests of the waves which attained a height of 50 cm break, all the roe is an early stage of development, floating on the surface, perishes. The state of the sea surface is one of the most important factors affecting the results of achovy roe development and the numbers of the generation of a given year. It should be taken into consideration when compiling

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P. [Zaitsev, IU.P.]

Identification tables for pelagic fish eggs and newly hatched embryos found in the Black Sea near the outlet of the Dnieper River. Pratsi Od. un. Ser.biol.nauk no.8(vol.147):209-214 '57.
(MIRA 12:4)

(Black Sea--Zooplankton) (Fishes--Classification)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

TS-diagrams of the occurrence of pelagic eggs of certain Black Sea fish. Dokl.AN SSSR 111 no.1:193-194 N-D '56. (MLRA 10:2)

1. Gidrobiologicheskaya stantsiya Odesskogo gosudarstvennogo universiteta imeni I.I.Mechnikova. Predstavleno akademikom Ye.N. Pavlovskim.
(Black Sea--Fishes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

KARPENKO, Andrey Porfir'yevich, kandidat ekonomicheskikh nauk; ZAYTSEV, V.P., redaktor; FURMAN, G.V., tekhnicheskiy redaktor

[Technologically sound norms and their role in increasing labor productivity] Tekhnicheski obosnovannye normy i ikh rol' v povyshenii proizvoditel'nosti truda. Moskva, Izd-vo "Znanie," 1956. 47 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser. 8, Ekonomika promyshlennosti. Vyp. 1, no.12)
(Production standards) (MLRA 9:12)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Effect of the salinity of water on the development flatfish (Pleuronectes flesus luscus Pallas) ree. Dokl.AN SSSR 105 no.6:1364-1367 D '55. (MLRA 9:4)

1.Gidrobiologicheskaya stantsiya Odesskogo gosudarstvennogo universiteta imeni I.I.Mechnikova.
(Embryology--Fishes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Method of collecting pelagic roe of fishes in freshened regions of the sea. Zool.zhur. 34 no.2:380-382 Mr-Ap '55. (MLRA 8:6)

1. Gidrobiologicheskaya stantsiya Odesskogo gosudarstvennogo universiteta.

(Fishes--Collection and preservation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.

Determination of floatability of the pelagian roe of certain Black Sea fish species. Dokl.AN SSSR 94 no.3:577-579 Ja '53. (MLRA 7:1)

1. Gidrobiologicheskaya stantsiya Odesskogo gosudarstvennogo universiteta im. I.I.Mechnikova.
Predstavleno akademikom Ye.N.Pavlovskim.
(Black Sea--Fishes, Pelagic) (Fishes, Pelagic--Black Sea)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.P.; PAVLOVSKIY, Ye.N., akademik.

Quantity of the Crimean anchovy roe (Engraulis encrasicholus ponticus Alex.). Dokl.AN SSSR 93 no.4:729-732 D '53. (MLRA 6:11)

1. Akademiya nauk SSSR (for Pavlovskiy). 2. Odesskiy gosudarstvennyy universitet im. I.I.Mechnikova (for Zaytsev).
(Black Sea--Anchovies) (Anchovies--Black Sea)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

1. ZAYTSEV, YU. P.

2. USSR 600

4. Odessa Bay - Fishes

7. Reproduction of sea fish in Odessa Bay, Priroda, 42, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

1. ZAYTSEV, Yu. P.

2. USSR (600)

4. Khadzhibei Liman - Flounders

7. Observations of the development of flounder eggs(Pleuronectes Flesus Luscus Pallas) in the Khadzhibei Liman.
Dokl. AN SSSR 87 No.1 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953.
Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

BUYANOVSKAYA, A.A.; GRINBART, S.B.; ZAYTSEV, Yu.P.; VOLK, D.T.

Hydrobiological conditions and food reserves of the Dniester Liman. (MLRA 9:7)
Trudy probl.i tem.sov.no.1:93-99 '51.
(Dniester Liman--Biology)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu. P.

(16)

AUTHOR: Panovko, V. M., Engineer

TITLE: All-Union Conference on the hardfacing of dies for hot and cold press-forming

PERIODICAL: Svarochnoye proizvodstvo, no. 3, 1963, 44 - 45

TEXT: The First All-Union Scientific-Technical Conference on hardfacing of dies was held at Volgograd from November 27 - 29, 1962. The Conference heard the following reports: N. T. Prosvirov (VNIIPTMASh) on "Operational conditions and the type of forging dies"; L. A. Pozdnyakova (ENIKMASh) on "Problems of the durability of dies and press-forming steels"; V. A. Popov, ENIKMASh, on some structural peculiarities of carbide tools for cold extrusion and upsetting; I. I. Frumin, D. V. Danil'chenko (Institute of Electric Welding imeni Ye. O. Paton) on "Electric-slag hardfacing of some dies"; L. Kolomiets (IES imeni Ye. O. Paton) on "Reconditioning of dies by electric-slag hardfacing"; V. A. Timchenko (IES imeni Ye. O. Paton) on "A machine with program control for automatic hardfacing of forging dies"; Reports on manual arc-hardfacing of dies were delivered by N. V. Popov (Volgograd Tractor Plant), V. M. Panovko and Ye. G. Bloshkin (Moscow Experimental Welding Plant); O. D. Superko (Chelyabinsk Tractor Plant), N. I. Nikolko (Ural Heavy Machinebuilding Plant), P. M. Sapov ("Rostsel-mash"), N. I. Kuzovkova (GAZ), Yu. P. Zaytsev (ENIKMASh), V. I. Il'yin (ZIL), Gopovin (Khar'kov "Svet shakhtera" Plant), and others. In a decision the Conference mentioned deficiencies connected with the subject, i.e. lack of unified electrodes; of centralized production; of unified technological instructions on the hardfacing of dies; of methods for evaluating the quality of hardfaced metal, and lack of high-quality electrodes for hardfacing cast-iron dies. The Conference decided to take steps in order to eliminate the aforementioned deficiencies.

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KORON, A.G., inzh.; ZAYTSEV, Yu.N., inzh.

Conference of welders in Voronezh. Svar.proizv. no.4:43-44 Ap '62
(MIRA 15:3)

(Welding--Congresses)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.N., inzh.

Theoretical method of determining certain parameters of electric slag welding with lamellar electrodes. Svar. proizv. no.3:5-7 Mr '62. (MIRA 15:2)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo mashinostroyeniya.
(Electric welding)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

SILAYEV, A.F., kand.tekhn.nauk; IGNAT'YEV, N.A., inzh.; Prinimali uchastiye: ZAYTSEV, Yu.N.; SHEVLYAKOV, G.I.; IGNAT'YEV, V.A.; NOVICHKOV, P.V.

Advantage of heat treating welded heavy press frames. Svar. proizv. no.8:40-43 Ag '61. (MIRA 14:8)
(Power presses--Welding)
(Metals--Heat treatment)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

Preparation of Welded-Cast Frames of Mould Carts

ty of the cast is improved, output for the existing production area is higher, the manufacturing cycle for the frames is shorter, and the load on the metal cutting equipment is lighter. There are 1 table and 1 diagram.

ASSOCIATION: Ordena trudovogo krasnogo znameni - Institut elektrosvarki imeni Ye.O. Patona AN USSR (Order of the Red Banner of Labor - Institute of Electric Welding imeni Ye.O. Paton, AS UkrSSR)

SUBMITTED: April 13, 1959

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

Preparation of Welded-Cast Frames of Mould Carts

and the macrostructure of the seam was not unusual. Results of mechanical tests are presented. Experiments showed that welded joints of 25L steel, not subjected to thermal processing after electric "slag" welding, are satisfactory in quality. For measuring deformation and testing the welded construction under impact load, a test frame was welded as described in the text; parameters are the same as those used for the control samples. Chemical composition is also similar. Seam formation was satisfactory; the test frame was not thermally processed after welding. Transverse shrinkage was measured as described and illustrated in the text. Tests of the construction of the weld were made for a single blow from a 5-ton ram from a height of 1.8 to 3.5 m. Results were satisfactory, damage in the form of cracks in the basic metal to the side of the seam and thermally affected zone appeared. Using this method of manufacturing mould carts has enabled the works to save 855 rubles per unit, i.e. 214,000 rubles for the 250 made yearly. In addition the quali-

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

SOV/125-59-8-10/18

18(5,7), 25(7)

AUTHOR: Zaytsev. Yu. N.

TITLE: Preparation of Welded-Cast Frames of Mould Carts

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 8, pp 76-78 (USSR)

ABSTRACT: The article deals with the technical aspects of electric "slag" welding of the frames for mould carts manufactured at the Yuzhno-Ural'skiy mashinostroitel'niy zavod (Southern Urals Machine Construction Works). The frames are assembled from two halfs joined in three places by electric "slag" welding; joints are of 300x400 mm section each. The weight of the frames is 4.5 tons, the material is 25L steel. The steel is processed before welding. Tests were made on samples of 25L steel 300x400 mm in section in order to determine the quality of the weld and amount of deformation resulting. Chemical composition of the samples is presented (Table 1). Control samples were welded with a A-372-M apparatus, using 10G2 electrode 3 mm in diameter, and AN-8 flux. Parameters for the welding process are given. Seams were satisfactorily formed,

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The Desulfurization Capacity of Fluxes in the Electric Slag Process

There are 2 tables, 1 diagram and 3 Soviet references.

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona AN USSR (Institute of Electric Welding imeni Ye.O. Paton, AS UkrSSR)

SUBMITTED: August 29, 1958

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

AUTHORS: Zaytsev, Yu.N., Tyagun-Belous, G.S. SOV/129-58-11-9/16

TITLE: The Desulfurization Capacity of Fluxes in the Electric Slag Process (Obesserivayushchaya sposobnost' flyusov pri elektroshlakovom protsesse)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 11, pp 57-60 (USSR)

ABSTRACT: Information is given on the desulfurizing capacities of different fluxes in the electric slag process with the use of large cross-section electrodes. It was stated that the following fluxes have high desulfurizing capacities: ESCh-1 (CaF_2 + CaO + Al_2O_3 + MgO); ANF-7 (CaF_2 + CaO); ANF-5 (CaF_2 + NaF); 48-OF-6 (CaF_2 + Al_2O_3 + CaO); ANF-6 (CaF_2 + Al_2O_3). These fluxes can be used in the electric slag welding of carbon and alloyed steels and cast iron, and in electric slag casting and feeding-up processes when an intensive desulfurization of the welding bath is needed. The desulfurization process depends on the current voltage and intensity.

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Development and Introduction of New Technique in Automatic Submerged-arc Welding of Two-ply Steel With Stainless Chromium Facing 157

Zvonkov, M.L. [Engineer] D. M. Rabkin [Candidate of Technical Sciences ; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], V. A. Verchenko, [Engineer; trest "Prodmontazh" (Production Assembly Trust)], and I. M. Mirgorodskiy [Chief Engineer; zavod "Bol'shevik" ("Bol'shevik" Plant)]. Experience Gained in Welding Containers Made of Aluminum and Its Alloys 173

Asnis, A. Ye. [Candidate of Technical Sciences; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], N. G. Gavrilenko [Engineer], A. V. Prokhorov [Engineer; Zhdanovskiy savod imeni Il'icha (Plant imeni Il'ich in Zhdanov), and S. V. Yunger [Engineer; Stalingradskiy filial Giproneftemash (Stalingrad Branch of State Design and Scientific Research Institute for Petroleum Machinery)]. High-strength Steels for Weldments 183

AVAILABLE: Library of Congress (TS 227.A359)

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Vakhnin, Yu. N.[Engineer], B. S. Kasatkin [Candidate of Technical Sciences], N. I. Kakhovskiy [Candidate of Technical Sciences], A. M. Ponizovtsev [Engineer; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], S. I. German [Candidate of Technical Sciences, Chief of Welding Laboratory; Khar'kovskiy turbinnyy zavod imeni S. M. Kirova (Khar'kov Turbine Plant imeni S. M. Kirov)], and Z. L. Klimovitskiy, Chief of Welding Section; Bryanskiy mashinostroitel'nyy zavod (Bryansk Machinery Plant)]. Carbon-dioxide Shielded Welding in Production of Steam Turbines 137

Zaruba, I. I. [Candidate of Technical Sciences], and A. G. Potap'yevskiy [Senior Engineer; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)]. Introduction of Automatic and Semi-automatic Carbon-dioxide Shielded Welding 148

Medovar, B. I. [Candidate of Technical Sciences], A. G. Potap'yevskiy [Senior Engineer; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], F. A. Ratin [Senior Engineer], S. V. Yunger, Supervisor of the Welding Laboratory; Stalingradskiy filial Giproneftemasha (Stalingrad Branch of State Design and Scientific Research Institute for Petroleum Machinery)], and S. A. Zandberg [Chief of Welding Office; Stalingradskiy mashinostroitel'nyy zavod imeni Petrova (Stalingrad Machinery Plant imeni Petrov)].

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Gorbunov, G. V. [Engineer; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)]. F. A. Zasko, [Chief Engineer; Svarochno-montazhnyy trest (Welding and Assembling Trust)], and A. N. Yuryshev [Chief of the Department of Gas Pipeline Construction; Glavgaz SSSR (Main Administration of the Gas Industry of the USSR)]. Mechanized Methods of Welding in Pipeline Construction 108

Rayevskiy, G. V. [Candidate of Technical Sciences, Winner of Lenin Prize; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], V. Ya. Mayevskiy [Chief Engineer; Ukrglavneftesbyt (Ukrainian Main Administration for Petroleum Marketing)], and Ye. F. Martinson [Head of Construction and Assembly Administration No. 70; Trest 7, Ministerstvo stroitel'stva RSFSR (RSFSR Ministry of Construction, Trust 7)]. Introduction of the Method for Weldments in the Petroleum Industry 118

Kazimirov, A. A. [Candidate of Technical Sciences; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], and V. F. Zabotin [Chief Engineer; Khersonskiy sudostroitel'nyy zavod (Kherson Shipbuilding Plant)]. Automatic Welding in Shipbuilding 124

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Pokhodnya, I. K. [Candidate of Technical Sciences], V. P. Subbotovskiy [Senior Engineer], I. I. Frumin [Candidate of Technical Sciences; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], L. A. Volkova, [Shop Foreman; Dnepropetrovskiy metallurgicheskiy zavod imeni G. I. Petrovskogo (Dnepropetrovsk Metallurgical Plant imeni G. I. Petrovskiy)], V. P. Gorelov [Shop Superintendent; Alchevskiy metallurgicheskiy zavod imeni K. Ye. Voroshilova (Alchevsk Metallurgical Plant imeni K. Ye. Voroshilov)], and N. A. Ryzhenko, [Chief Mechanic, Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine)]. Introduction of Automatic Hard-surfacing in the Metallurgical Industry 74

Lashkevich, R. I., [Candidate of Technical Sciences], S. L. Mandel'berg [Candidate of Technical Sciences; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institut imeni Ye. O. Paton)] Z. O. Knyazhinskiy [Candidate of Technical Sciences; Ukrainskiy nauchno-issledovatel'skiy trubnyy institut (Ukrainian Scientific and Research Institute of Pipes)], and S. A. Frikke [Chief Engineer; Chelyabinskiy trubo-prokatnyy zavod (Chelyabinsk Pipe-rolling Plant)]. New Technique in Straight-seam Welding of Large-diameter Oil and Gas Pipes 93

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Iskra, A. S. [Senior Engineer], A. M. Makara [Candidate of Technical Sciences], and I. V. Novikov [Senior Engineer; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)]. Making Bodies for Chemical Equipment by Electro-slag Welding of Medium-alloyed Steel Forgings 32

Medovar, B. I. [Candidate of Technical Sciences], A. N. Safonnikov [Engineer; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], and I. N. Gerasimenko [Head of Welding Department; Podol'skiy mashinostroitel'nyy zavod imeni S. O. Ordzhonikidze (Podol'sk Machinery Plant imeni S. O. Ordzhonikidze)]. Electro-slag Welding of Large Flanges of 1Kh18N9T Austenitic Steel 51

Gurevich, S. M. [Candidate of Technical Sciences], V. P. Didkovskiy [Engineer; S. D. Zagrebenyuk [Engineer; Institut elektrosvarki imeni Ye. O. Patona (Electric Welding Institute imeni Ye. O. Paton)], P. S. Sinepol'skiy [Head of Welding Office], and V. P. Shmyrev [Technologist of a welding shop]. Electro-slag Automatic Arc Welding of Medium and Large Thickness of Titanium 64

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Zaytsev, Yu. N. [Engineer], Yu. A. Sterenbogen [Candidate of Technical Sciences; Institut elektrosvarki imeni Ye.O. Patona (Electric Welding Institute imeni Ye.O. Paton)], V. S. Pogorelov [Chief Engineer; Novo-Kramatorskiy mashinostroitel'nyy zavod (New Kramatorsk Machinery Plant)], and V. V. Kuklin [Head of the Automatic Welding Office; Ural'skiy zavod tyazhelogo mashinostroyeniya (Ural Heavy Machinery Plant)]. Introduction of Electro-slag Welding Into Production of Structures of Welded Castings 5

Iskra, A. S. [Engineer], Yu. A. Sterenbogen [Candidate of Technical Sciences], V. M. Khrundzhe [Engineer; Institut elektrosvarki imeni Ye.O. Patona (Electric Welding Institute imeni Ye.O. Paton)], D. P. Antonets [Engineer, Zhdanovskiy zavod imeni Il'icha (Plant imeni Il'ich in Zhdanov), V. I. Rabinovich [Engineer; Barnaul'skiy kotel'nyy zavod (Barnaul Boiler Plant)], and V. V. Chernykh [Engineer; Novo-Kramatorskiy mashinostroitel'nyy zavod (New Kramatorsk Machinery Plant)]. Electro-slag Welding of Steel-plate Constructions 17

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ZAYTSEV, Yu. N.

25(1) 1.2 PHASE I BOOK EXPLOITATION SOV/3421

Akademiya nauk URSR, Kiyev, Institut elektrosvarki imeni akademika Ye.O. Patona

Vnedreniye novykh sposobov svarki v promyshlennost', vyp. 2 (Introduction of New Welding Methods in Industry; Collection of Articles, No. 2) Kiyev, Gos. izd-vo tekhn. lit-ry Ukrainskoy SSR, 1959. 194 p. Errata slip inserted. 3,000 copies printed.

Ed.: V. Garkusha; Tech. Ed.: S. Matusevich.

PURPOSE: This book is intended for workers in the welding industry.

COVERAGE: The book contains a discussion of welding techniques and problems by groups of scientists and welders. Much attention is given to problems in the application of new methods of mechanized welding and electro-slag welding. This is the second collection of articles under the same title prepared and published by the Institut elektrosvarki imeni Ye.O. Patona (Institute of Electric Welding imeni Ye.O. Paton). The preface is written by B.Ye. Paton, Academician of the Ukrainian Academy of Sciences and Winner of the Lenin Prize. There are no references.

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On the Problem of the Electric Slag Welding of Pig-Iron

data show that electric slag welding can be widely used in manufacture from cast-iron and in repair work with the material.

ASSOCIATION: Ordena trudovogo krasnogo znameni institut elektrosvarki imeni Ye.O.Patona AN USSR (Order of the Red Banner of Labor Institute of Electric Welding imeni Ye.O.Paton of the AS UkrSSR)

SUBMITTED: September 7, 1958

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On the Problem of the Electric Slag Welding of Pig-Iron

In welding grey pig-iron electrodes of the same chemical composition as the welded parts are used. Special fluxes have been developed to obtain high quality welds without internal defects. The technique was worked out with grey pig-iron specimens 30 ÷ 100 mm thick. The chemical composition of the metal and the weld (pig-iron 100 mm thick) is shown in a table. Metallographic research shows that blanching in the metal of the joint and the surrounding area is avoided. Mechanical properties of the welds on samples of gre pig-iron 100 mm thick are: limit of tensile strength 13.4 Kgs/mm^2; Limit of compression strength 83.2 Kgs/mm^2. The process will evidently be used in welding magnesium and alloyed cast-iron. This is shown by the data from preliminary experiments on the electric slag welding of magnesium iron. In developing the technology there are still serious difficulties to be overcome which are caused primarily by the increased tendency of magnesium iron to blanching. Moreover a strictly-defined composition of the weld, particularly for magnesium, is an essential prerequisite. The

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18(5)
AUTHOR: Sterenbogen, Yu.A., and Zaytsev, Yu.N.

TITLE: On the Problem of the Electric Slag Welding of Pig-Iron (K voprosu elektroshlakovoy svarki chuguna)

PERIODICAL: Avtomaticheskaya svarka, 1959, Vol 12, Nr 8, pp 89-93 (USSR)

ABSTRACT: The relatively low cost and valuable technological properties of pig-iron make it widely used as a design for bedplates, slide-blocks on presses, the housing of reduction gears, etc. The very good mechanical properties of high-quality, magnesium modified pig-iron open up great opportunities for its use as a substitute for steel castings, ductile pig-iron, forgings and ferrous metals. The Welding Institute has for the first time used the method of electric slag welding for joining pig-iron parts. Not only electrode wire, but also plates and pivots of various sections can be used as the electrode. This is important in welding pig-iron because it makes it possible to mechanize the process.

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ZAYTSEV, Yu.N., inzh.; TYAGUN-BELOUS, G.S., inzh.

Desulfurating properties of fluxes during the electric slag process.
Avtom. svar. 11 no.11:57-60 N '58. (MIRA 11:12)

1.Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im.
Ye. O. Patona AN USSR.
(Electric welding) (Desulfuration)

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ZAYTSEV, Yu.N., inzh.; SHEVTSOV, A.I., inzh.

Welding of cast-iron forging press parts. Svar. proizv. no.6:26-28 Je '62. (MIRA 15:6)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo mashinostroyeniya.
(Forging machinery--Welding)
(Cast iron--Welding)

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A006/A001

The Effect of the Conditions of Electroslag Welding With Plate Electrode on the Shape and Dimensions of the Weld Joints

electrodes as compared to wire electrode welding. However, the coefficient of the shape of the metal pool was practically equal for both electrode types when welding under conventional conditions. There are 5 figures and 1 Soviet reference.

ASSOCIATION: ENIKMASh

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83683

S/135/60/000/010/005/015
A006/A001

The Effect of the Conditions of Electroslag Welding With Plate Electrode on the Shape and Dimensions of the Weld Joint

a lead packet with sulfurous iron was added to the welding pool during the final stage. The penetration and depth of the metal pool were measured in the center of the weld. Welding parameters varied within the following ranges: 0.45; 1.2; 1.4; 1.8; 2.1; 2.4 and 2.9 m/hour electrode feed. 7; 10; 13; 15; and 20 mm thick electrodes. 29 - 32; 32- 36; 38 - 39 and 40 - 46 v welding voltage; 29 - 31; 30 - 33; 32 - 35; 34- 38; 38 - 41 and 45 - 50 mm gap. The depth of the pool was maintained at 30 - 40 mm. The following results were obtained. The width of penetration increased with higher welding voltage and electrode thickness. Higher feed rate and a gap, increased to a certain limit, cuased a greater width of penetration. Further increase of these parameters diminished the penetration. The depth of the metal pool increased with a higher electrode feed rate and its greater thickness; it was somewhat reduced with higher welding voltage. The coefficient of the metal pool shape increased with higher welding voltage and a greater gap; it decreased with a higher electrode feed rate and its greater thickness. The characteristics of the shape of seams made with plate and wire electrodes were compared using data by S. A. Ostrovskaya. A wider penetration and greater depth of the metal pool were characteristic of welding with plate

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A006/A001

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AUTHORS: Zaytsev, Yu. N., Rogalev, A. M., Engineers

TITLE: The Effect of the Conditions of Electroslag Welding with Plate Electrode on the Shape and Dimensions of the Weld Joint

PERIODICAL: Svarochnoye proizvodstvo, 1960, No. 10, pp. 18-20

TEXT: The authors studied the basic characteristics determining the quality of weld joints which are: the width of the seam, the depth and coefficient of the shape of the metal pool. The experimental part of the study was carried out with the participation of engineer A. I. Shevtsov, technicians M. I. Timoshin and B. A. Orlov from ENIKAMASh. The experiments were performed with 100 mm thick 40X (40Kh) and 45 grade steel specimens. Low alloy 100 mm wide plate electrodes were used. Experimental welding was made under AH-8 (AN-8) flux on a special device designed by ENIKMASh. A ТСД-2000 (TSD-2000) transformer, used as a feed source was switched over to the ENIKMASh circuit with rigid external characteristics. The width of penetration, the depth and the shape of the metal pool were determined on longitudinal macro-sections from the upper portion of the seam, where Bauman imprints were taken. For this purpose

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ZAYTSEV, Yu.N.

Influence of a hot climate on the bacteriostatic action of penicillin. Zdrav. Turk. 3 no.6:12-17 N-D '59. (MIRA 13:5)

1. Iz Turkmenskogo nauchno-issledovatel'skogo kozhno-venerologicheskogo instituta (dir. - prof. N.F. Rodyakin).
(HEAT--PHYSIOLOGICAL EFFECT) (PENICILLIN)

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ZAYTSEV, Yu.N., inzh.; SHEVTSOV, A.I., inzh.

Introducing new methods of welding cast iron in the manufacture of forging presses. [Nauch. trudy] ENIKMASha 8:77-85 '64. (MIRA 18:3)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

ZAYTSEV, Yu.N., inzh.

Developing a technology for the manufacture of welded forged shafts of 45 and 40X steels with the help of electric slag welding by lamellar electrodes. [Nauch. trudy] ENIKMASha 8:63-76 '64. (MIRA 18:3)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

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KORON, A.G., inzh.; ZAYTSEV, Yu.N., kand.tekhn.nauk

Welder's conference in Voronezh. Svar.proizv. no.4:44 Ap '64.
(MIRA 18:4)

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POZNYAK, L.A., kand. tekhn. nauk; ZAYTSEV, Yu.N., inzh.; TIKHONOVSKIY, A.L., inzh.

Special characteristics of the structure of magnesium cast iron joints welded by the electric slag method. Avtom. svar. 11 no.10: 67-74 O '58. (MIRA 11:12)

1.Ordena Trudovogo krasnogo Znameni Institut elektrosvarki im. Ye.O. Patona AN USSR.
(Cast iron--Welding) (Electric welding)

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001964100015-6

AID P - 5264

Subject : USSR/Engineering

Card 1/1 Pub. 11 - 15/15

Authors : Sterenbogen, Yu. A., and Yu. N. Zaytsev (Electrowelding Institute im. Paton)

Title : Resistance slag welding with a laminated electrode

Periodical : Avtom. svar., 4, 130-132, Ap 1956

Abstract : The authors describe the welding of thick metal pieces 300 to 1,000mm long, using a heavy-gage plate as the second (or third) electrode. The Electrowelding Institute im. Ye. O. Paton developed the process and the equipment needed. Three photos, 1 drawing and 2 tables.

Institution : As above

Submitted : No date

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ZAYTSEV, Yu. N.

STERENBOGEN, Yu.A.; ZAYTSEV, Yu.N.

"Submerged" welding process using lamellar electrodes. (MLRA 10:2)
Avtom. svar. 9 no.4:130-132 Jl-Ag '56.

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye.O. Patona Akademii nauk USSR.
(Electric welding) (Electrodes)

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